­­­ **Name**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Date**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**1.7 Perimeter and Area**

**Perimeter**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Circumference**: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Area**

**Triangle Rectangle/Parallelogram Trapezoid** **Circle**

For every shape on this page, find both the **perimeter** and the **area**.

**11**

1. 2. 3.

**5 ft**

**7**

**6**

**4 ft**

**10 yd**

**40 yd**

**5**

**3 ft**

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**21”**

**6”**

**15”**

**9”**

4. 5. 6.

**7 yd**

**47.37”**

**6 yd**

**50”**

**10 yd**

**16”**

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

7. 8. 9.

**15 ft**

**36**

**7**

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Perimeter: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Area: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the following problems, use the formula given information and one of the formula from the front to find the missing variable.

10. Area of this parallelogram is 55 in2 11. Area of this triangle is 20 cm2

**11.7 cm**

**6 in**

**5 in**

**9.1 cm**

**x**

Y

**4.6 cm**

12. Area of this trapezoid is 152 m2 13. Area of this circle is 140 yd2

**Q**

**16 in**

**8 in**

**14 in**

**15 in**

**P**

14. Area of this square is 600 km2 15. Circumference of this circle is 20”

**K**

**R**

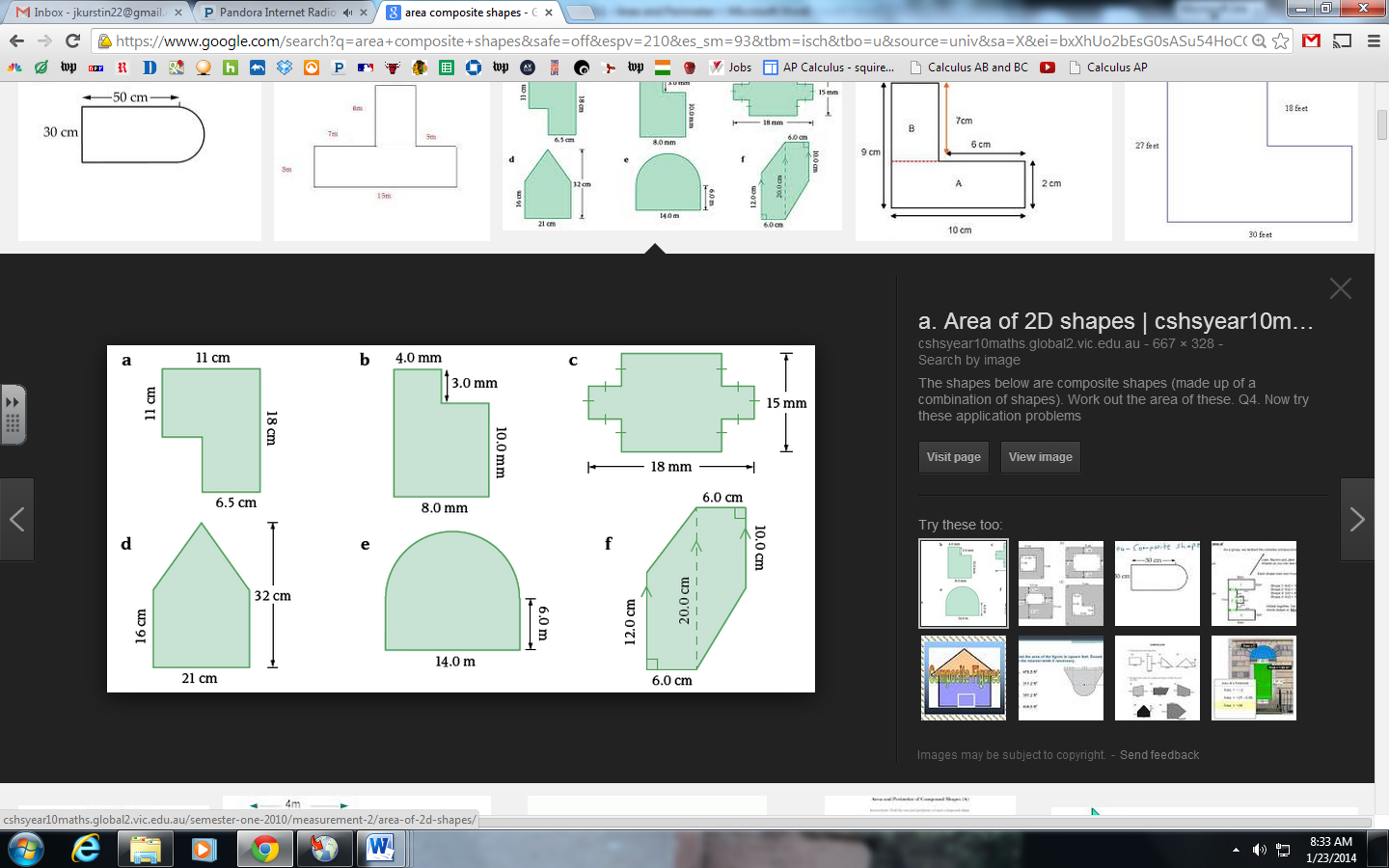
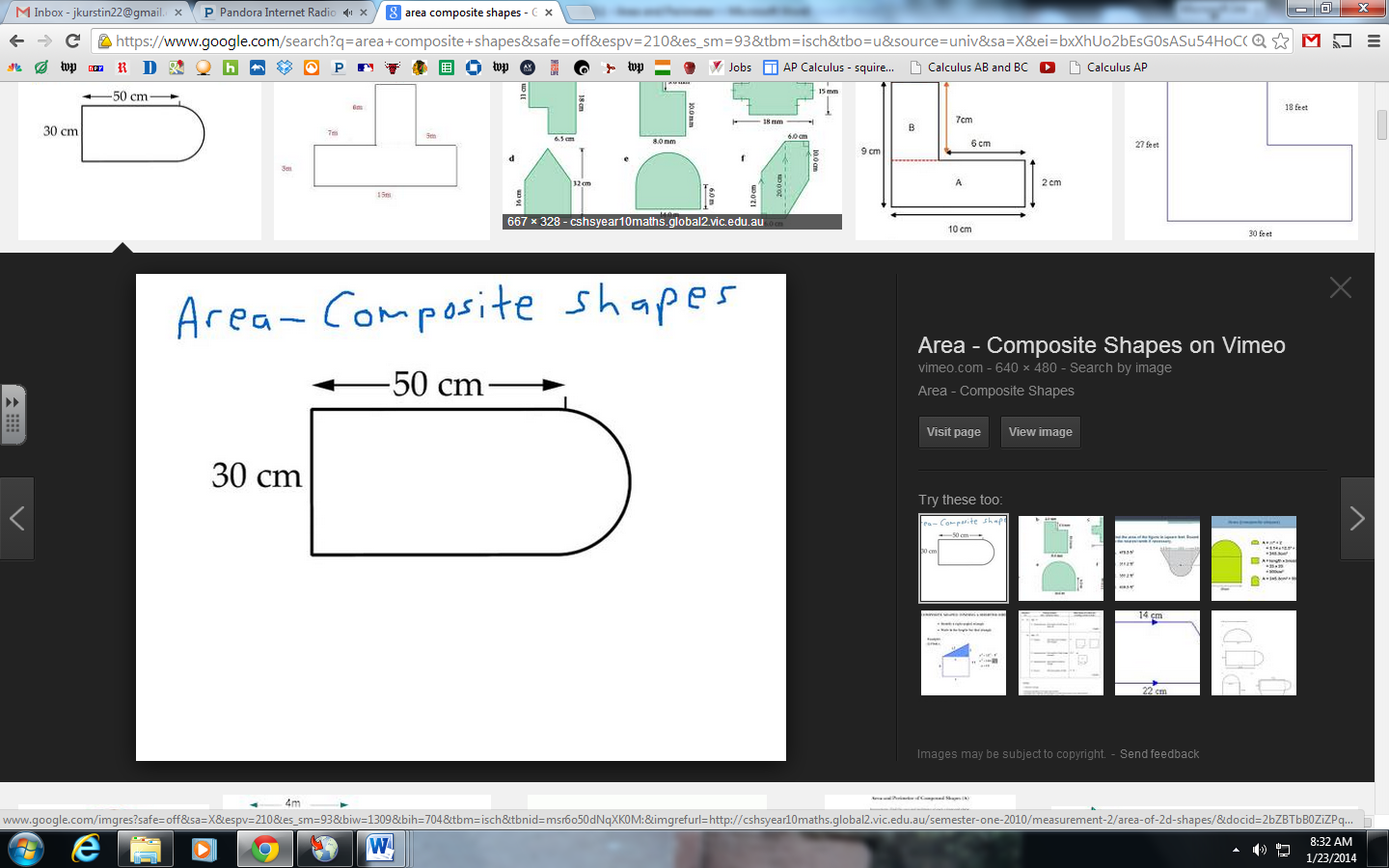
***Multi step problem***

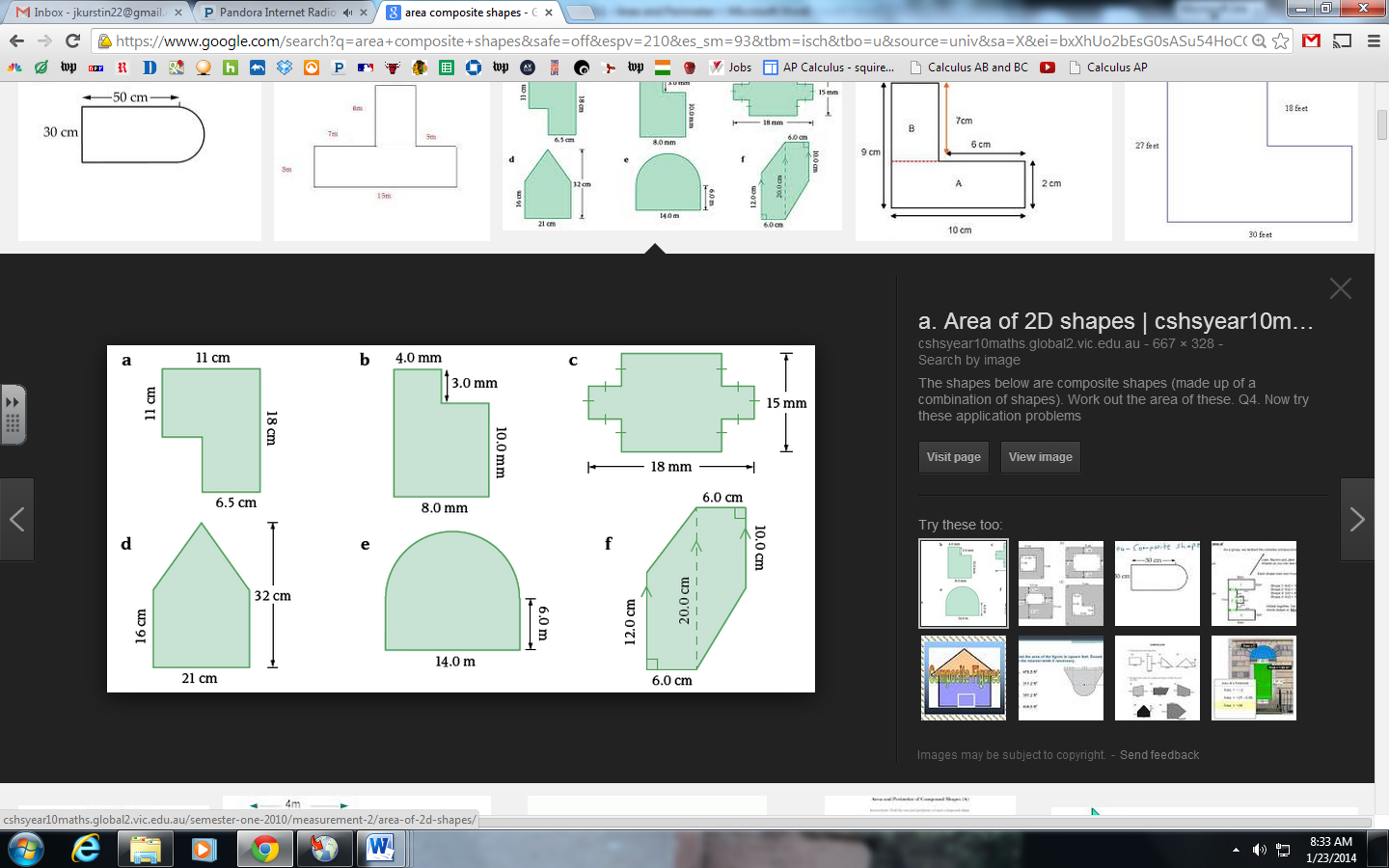
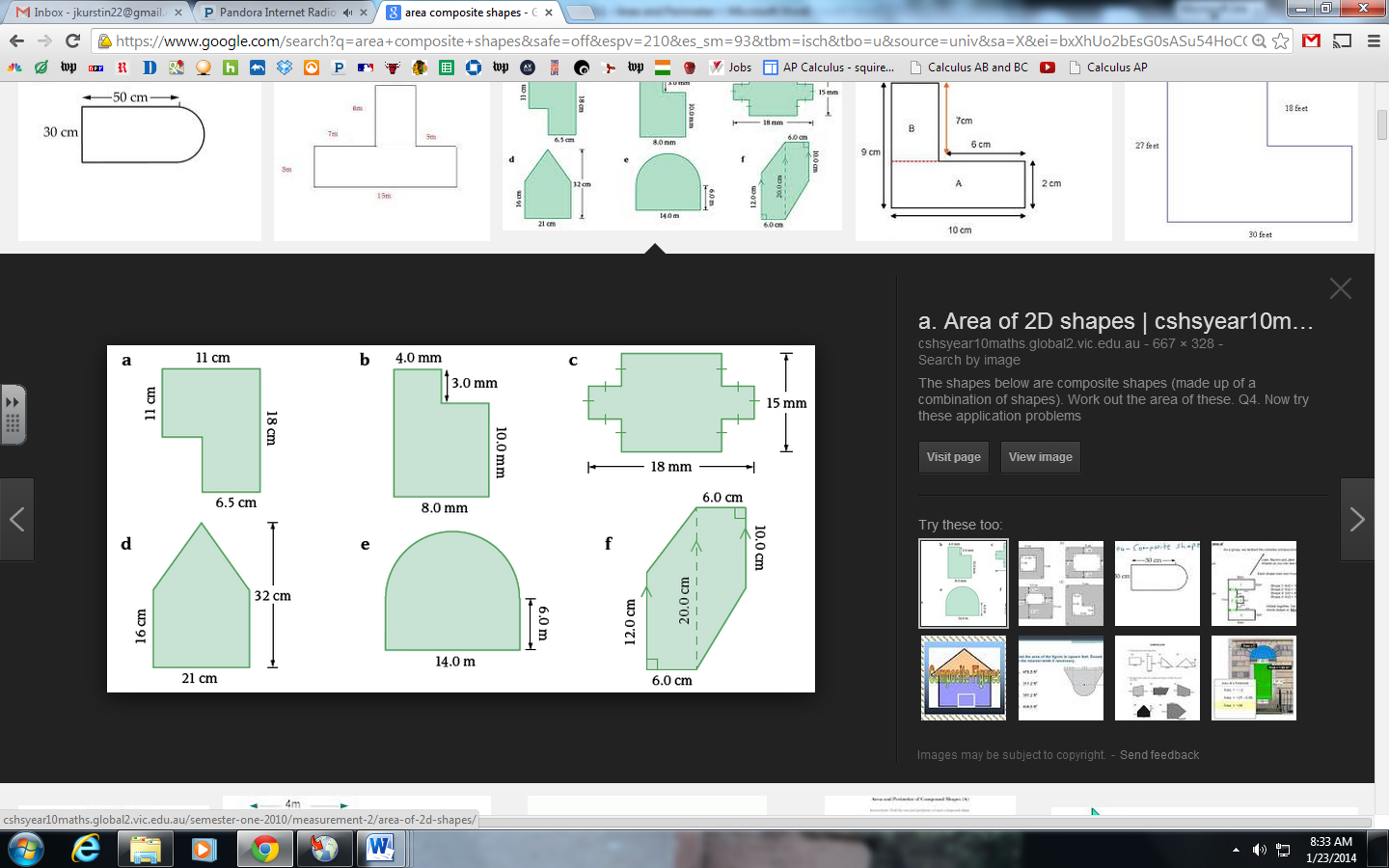
16. If a square has a perimeter of 36in,

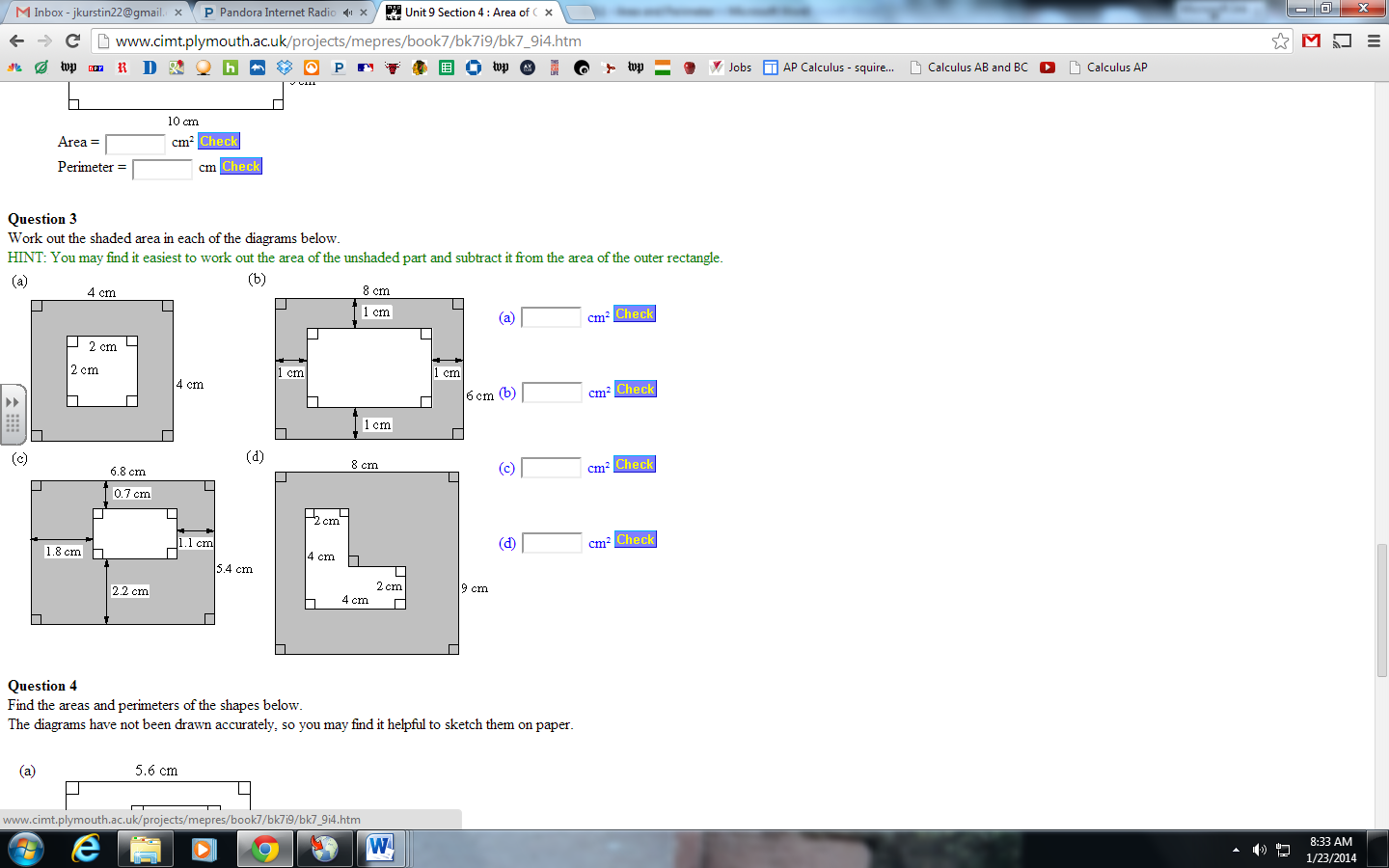
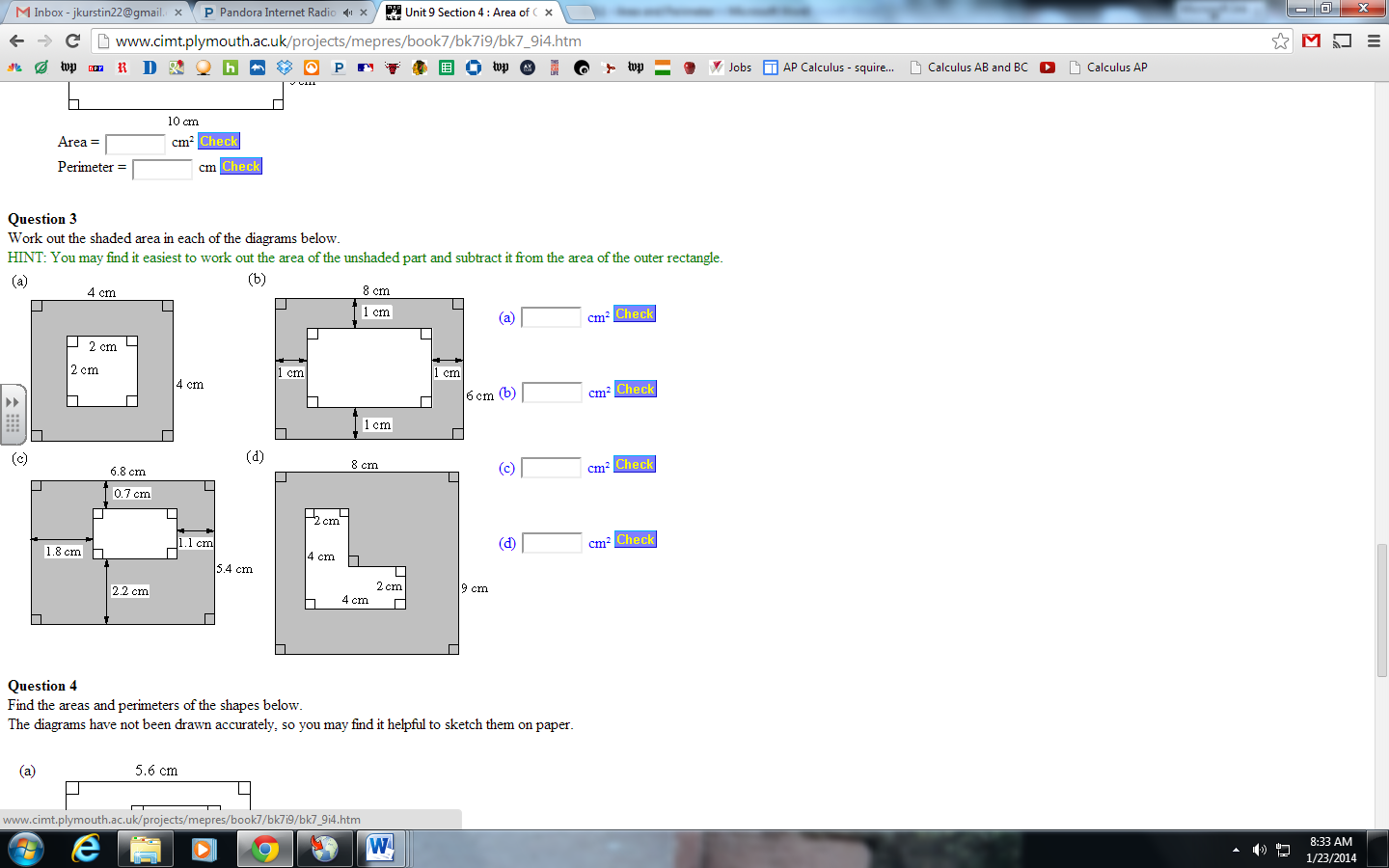
then what is its area?

A ***composite shape*** is \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

Find the **area** of each composite shape below:

17.  18. 

19.  20. 

21.  22. 

**23. Draw and find the area of your own composite shape. It should be made of at least 3 other shapes.**

Answers

1. P: A:
2. P: A:
3. P: A:
4. P: A:
5. P: A:
6. P: A:
7. P: A:
8. P: A:
9. P: A: